

# INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/AU03/01018**

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. <sup>7</sup>: C07K 19/00; A61K 39/09, 39/00; A61P 15/18, 1/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
**SEE ELECTRONIC DATA BASES BELOW**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
STN Files Medline, CA, Biosis, WPIDS key words: lipoprotein, lipopeptide, lipopolypeptide, ?palmitoyl?, ?myristoyl?, ?stearoyl?, ?decanoyl?, ?lauroyl?, ?octanoyl?, lipoamin?, pam3cys, pam2cys, oct2cys, b cell, lhrh, t helper, th cell, tetanus toxoid, pfg27, lactate dehydrogenase, gp120, haemagglutinin, hemagglutinin

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 93/22343 A1 (THE ROCKFELLER UNIVERSITY), 11 November 1993. See whole document.	1-114
X	E. H. NARDIN et al., "A totally synthetic polyoxime malaria vaccine containing Plasmodium falciparum B Cell and Universal T Cell epitopes elicits immune responses in volunteers of diverse HLA types," The Journal of Immunology, 2001, 166, pp. 481-489. See whole document.	1-114

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search <b>26 September 2003</b>	Date of mailing of the international search report <b>16 OCT 2003</b>
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929	Authorized officer  <b>L.F. McCAFFERY</b> Telephone No : (02) 6283 2573



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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	C. BOECKLER et al., "Design of highly immunogenic liposomal constructs combining structurally independent B cell and T helper cell peptide epitopes," Eur. J. Immunol., 1999, 29, pp. 2297-2308. See whole document.	1-114
X	S. GHOSH et al., "Antigenic and immunogenic properties of totally synthetic peptide-based anti-fertility vaccines," International Immunology, 11(7), pp. 1103-1110, 1999. See whole document.	1-114



**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member	
WO	93/22343	US	5580563
			END OF ANNEX